

VIA FIRST CLASS MAIL

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FULBRIGHT & JAWORSKI L.L.P.

By Dawn Olds



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LUD 5684.2 CIP (10106926) - JEL/NDH

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : RENAULD, et al.
Serial No. : 09/919,162
Filed : July 31, 2001
For : ISOLATED NUCLEIC ACID MOLECULES WHICH ENCODE A SOLUBLE IL-TIF RECEPTOR OR BINDING PROTEIN WHICH BINDS TO IL-TIF/IL-22, AND USES THEREOF
Art Unit : UNKNOWN
Examiner : UNKNOWN

September 4, 2002

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

**INFORMATION DISCLOSURE
STATEMENT (37 CFR § 1.56, § 1.97 (c))**

SIR:

In accordance with their duty of disclosure, applicants wish to make the accompanying references of record in this application. These references were all cited in a PCT application which is a continuation in part of the subject application.

A copy of the International Search Report is attached as well. Note that none of the references were deemed to be "X" or "Y" references.

I. International Applications

WO 02/12345 (Kindsvogel, et al.), Zymogenetics, published February 14, 2002.

WO 01/40467 (Presnell, et al.), Zymogenetics, published December 1, 2000.

WO 00/55204 (Shi, et al.), Human Genome Sciences, Inc., published September 21, 2000.

WO 00/24758 (Dumoutier, et al.), Ludwig Institute for Cancer Research, published May 4, 2000.
WO 99/61617 (Ruben, et al.), Human Genome Sciences, Inc., published December 2, 1999.
WO 99/07848 (Lok, et al.), ZymoGenetics, Inc., published February 18, 1999.
WO 98/02542 (Petska, et al.), University of Medicine and Dentistry of New Jersey, published January 22, 1998.

II. European Patent Applications

EP 1191035 (Weiss, et al.), Schering Aktiengesellschaft, published August 24, 2001.

III. Journal Articles

Dumoutier, et al., "Cloning and Characterization of IL-22 Binding Protein, a Natural Antagonist of IL-10 Related T Cell-Derived Inducible Factor/IL-22," *J. Immunol* 766:7090-7095 (2001).

Gruenberg, et al., "A soluble homologue of the human IL-10 receptor with preferential expression in placenta," *Genes & Immunity* 2:329-334 (2001).

Kotenko, et al., "Identification of the Functional interleukin-22 (IL-22) Receptor Complex," *J. Biol. Chem.* 276(4):2725-2732 (2001).

Kotenko, et al., "Identification, Cloning and Characterization of a Novel Soluble Receptor That Binds IL-22 and Neutralizes Its Activity," *J. Immunol* 166:7096-7103 (2001).

Xu, et al., "A soluble Class II Cytokine Receptor, IL-22 RA2, is a Naturally Occurring IL-22 antagonist," *Proc. Natl. Acad. Sci. USA* 98(17):9511-9516 (2001).

Xie, et al., "Interleukin (IL)-22, A Novel Human Cytokine That Signals Through The Interferon Receptor Related Proteins CRF2-4 and IL-22R," *J. Biol. Chem.* 275(40):31335-31339 (2000).

Opal, et al., "Impact of Basic Research on Tomorrow's Medicine," *CHEST* 117:1162-1172 (2000).

Kotenko, et al., "Jak-Stat signal transduction pathway through the eyes of cytokine class II receptor complexes," *Oncogene* 19:2557-2565 (2000).

Dumoutier, et al., "Human interleukin-10 related T cell derived inducible factor: Molecular Cloning and Functional Characterization As An Hepatocyte Stimulating Factor," *Proc. Natl. Acad. Sci. USA* 97(18):10144-10149 (2000).

Fernandez-Botran, "Soluble Cytokine Receptors: Basic Immunology and Clinical Applications," Critical Reviews in Clinical Laboratory Sciences 36(3):165-224 (1999).

Kotenko, et al., "Identification and Functional Characterization of a Second Chain of the Interleukin-10 Receptor Complex," EMBOJ 16(19):5894-5903 (1997).

Meagher, et al., "Assay For Measuring Soluble Cellular Adhesion Molecules and Soluble Cytokine Receptors," J. Immunol Meth. 191:97-112 (1996).

Heaney, et al., "Soluble Cytokine Receptors," Blood 87(3):847-857 (1996).

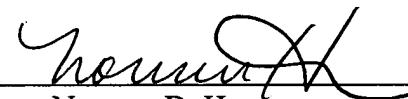
IV. Other

EMBL Online: Accession No. AL050337 (May 26, 1999).

It is believed that the claims are patentable over these references, and a holding to that end is urged.

Respectfully submitted,

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Form PTO-1449 (Modified) (Rev. 11/92)	U.S. Dept. of Commerce Patent and Trademark Office	ATTY. DOCKET NO.	SERIAL NO.
		LUD-5684.2 CIP	09/919,162
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT	
(Use several sheets if necessary)		RENAULD, et al.	
(37 CFR 1.98(b))	SEP 09 2002 U.S. PATENT & TRADEMARK OFFICE	FILING DATE	GROUP
		July 31, 2001	UNKNOWN

U.S. PATENT DOCUMENTS

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
/	02/12345 /	02/14/02	WO				
/	01/40467 /	01/12/01	WO				
/	00/55204 /	09/21/00	WO				
✓	00/24578 7x	05/04/00	WO				
/	99/61617 /	12/02/99	WO				

OTHER DOCUMENTS

SEARCHED DOCUMENTS
(INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

✓ Dumoutier, et al., "Cloning and Characterization of IL-22 Binding Protein, a Natural Antagonist of IL-10 Related T Cell-Derived Inducible Factor/IL-22," *J. Immunol.* 766:7090-7095 (2001)

✓ Gruenberg, et al., "A soluble homologue of the human IL-10 receptor with preferential expression in placenta," *Genes & Immunity* 2:329-334 (2001).

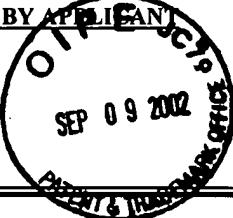
✓ Kotenko, et al., "Identification of the Functional interleukin-22 (IL-22) Receptor Complex," *J. Biol. Chem.* 276(4):2725-2732 (2001).

✓ Kotenko, et al., "Identification, Cloning and Characterization of a Novel Soluble Receptor That Binds IL-22 and Neutralizes Its Activity," *J. Immunol.* 166:7096-7103 (2001).

EXAMINER

DATE CONSIDERED

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Form PTO-1449 (Modified) (Rev. 11/92)				U.S. Dept. of Commerce Patent and Trademark Office		ATTY. DOCKET NO. LUD-5684.2 CIP		SERIAL NO. 09/919,162	
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(37 CFR 1.98(b))				FILING DATE July 31, 2001		GROUP UNKNOWN			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION									
	Document Number	Date	Country	Class	Subclass	Translation			
						Yes	No		
✓	99/07848 ✓	02/18/99	WO						
✓	98/02542 ✓	01/22/98	WO						
✓	11910357 ✓	08/24/01	EP						
OTHER DOCUMENTS <i>(INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)</i>									
✓	Xu, et al., "A soluble Class II Cytokine Receptor, IL-22 RA2, is a Naturally Occurring IL-22 antagonist," Proc. Natl. Acad. Sci. USA 98(17):9511-9516 (2001).								
✓	Xie, et al., "Interleukin (IL-22), a Novel Human Cytokine That Signals Through the Interleukin Receptor-related proteins CRF 2-4 and IL-22R." J. Biol. Chem. 275(40):31335-31339 (2000)								
✓	Opal, et al., "Impact of Basic Research on Tomorrow's Medicine," CHEST 117:1162-1172 (2000).								
✓	Kotenko, et al., "Jak-Stat signal transduction pathway through the eyes of cytokine class II receptor complexes," Oncogene 19:2557-2565 (2000).								
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